

**CONTRACTOR'S FINAL SITE REPORT  
CROWN LAUNDRY SITE**

Prepared for:

U.S. Environmental Protection Agency  
Region V Emergency Response Division  
77 W. Jackson Boulevard  
Chicago, IL 60604

EPA Contract No. EP-S5-08-02  
Task Order No. 0065

Prepared by:

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## **1.0 INTRODUCTION AND OVERVIEW**

This Contractor's Final Site Report was prepared by Environmental Quality Management, Inc. (EQ) in accordance with Section F.2.3.C of EQ's Emergency and Rapid Response Services (ERRS) contract (EPA Contract No. EP-S5-08-02) with the U.S. Environmental Protection Agency (U.S. EPA). The report applies to:

U.S. EPA Task Order No.: 0065

U.S. EPA Site No.: B5YW

Site Name & Location: Crown Laundry Site  
Indianapolis, IN

Section 2.0 provides a brief description of the Crown Laundry site and details the ERRS response approach, problems encountered, and solutions used to remedy the problems encountered. Section 3.0 presents a summary of all ERRS resources used, other related items or services delivered, and costs.

## 2.0 DESCRIPTION OF SITE AND ERRS RESPONSE APPROACH

A written task order was received from the U.S. EPA on October 12, 2010.

The statement of work specified that EQ, at the discretion of the Federal On-Scene Coordinator (FOSC), Ms. Shelly Lam, was to:

- 1) Secure facility as directed by OSC;
- 2) Consolidate and package all hazardous substances, pollutants, and contaminants for transportation and off-site disposal;
- 3) Revise as necessary and implement a site-specific Health and Safety Plan, including an Air Monitoring Plan and a site Emergency Contingency Plan;
- 4) Revise and submit a detailed Work Plan to accomplish the time critical components of the project in the most effective, efficient and safe manner;
- 5) Establish site security and incident command post, including access control measures, as appropriate;
- 6) Conduct Underground Storage Tank (UST) removal to include removal of solvent contents and impacted soil, including developing and implementing a plan to control, contain, and remove highly-concentrated contaminated soil that may be source material for Vapor Intrusion (VI);
- 7) Perform sampling and analysis to determine extent of source contamination in soil;
- 8) Perform sampling and analysis to determine disposal options;
- 9) Assess up to 15 nearby residential properties for vapor intrusion which may include the installation of vapor mitigation systems where action levels are exceeded;
- 10) Conduct post-installation proficiency sampling in accordance with the Region 5 VI guidance; and
- 11) Transport and dispose off site any hazardous substances, pollutants and contaminants at a CERCLA-approved disposal facility in accordance with U.S. EPA's off-site rule.

The Crown Laundry Site was approximately 2.7 acres in size and contained two main buildings, one shed, and two residential type buildings. From 1910 to 1975, the site consisted of a laundry cleaning facility, the Crown Laundry & Dry Cleaning Company. In 1975, the property was utilized as a distribution facility for RCA. The property is currently owned by Aztec Group,

Inc., and the buildings onsite are vacant with the exception of the building on South Parker Avenue, which houses *Los Catrachos*, an automotive service business. The site is located in a residential and commercial area approximately two miles east of downtown Indianapolis. Based on previous findings by CEM, Alt & Witzig Engineering, Inc., and KERAMIDA Inc., the contaminants of concern in site soil include but are not limited to halogenated VOC's, TPHs, and metals. Furthermore, numerous containers of paint, paint thinner and automotive fluid are present throughout the 18 South Parker building. Several 55 gallon drums containing unknown material are present at the 2913 East Washington Street building. The previous ESAs have stated that automotive fluids are believed to be present in the drums.

On 10/12/10, the building was secured and armed security was contracted to guard the site until the waste was profiled and removed. Site mobilization occurred on 10/13/10. All chemical waste was identified, consolidated and shipped for disposal with the exception of the material located in USTs onsite. 45 yards of used tires were recycled. 1,500 gallons of bio diesel was purchased from Co-Alliance Energy and Agribusiness Solutions. 20 tons of scrap steel were recycled at OmniSource, and 2,500 gallons of solvent were recycled at Clean Water Limited.

Security guards were dismissed from the site, and all personnel and remaining equipment demobilized on 10/23/10. After the city completes demolition of the structures, EQ will return to the site to remove five USTs and excavate, treat, and dispose of approximately 10,000 cubic yards of dirt.

A lab was procured to provide analysis for residential sub-slab and indoor air sampling. A six foot chain-link fence with four 20' drive gates was erected around the site perimeter, and was secured with chain and pad locks. Three underground storage tanks were sampled, and sub slab and indoor air sampling was conducted at several residences. Samples were sent to Microbac Laboratories for analysis. The demolition contractor for the City of Indianapolis has completed most of the building demolition. The northeast portion of the property was graded, and gravel was placed to accommodate the command post

area. An office trailer was mobilized and temporary electric service was installed.

The ERRS crew remobilized to the site on 4/4/11. The crew consisted of 1 Response Manager, 1 Field Cost Administrator, 2 Laborers, and 3 Equipment Operators. An extent of contamination survey was conducted using geo-probe services provided by Axis Environmental Services of Greenwood, Indiana. Upon receiving the analytical data generated from soil boring activities, it was determined that the extent of contamination was localized to areas surrounding the Underground Storage Tanks (USTs) located within the property boundaries.

Fourteen (14) USTs have been discovered and sampled to date, and those samples were sent to Microbac Laboratories for analysis. Based on HAZCAT and analytical data, these tanks were bulked into one 10k frac tank and profiled for disposal to PSC in Detroit, MI. The USTs range in size from 1,000 gallons to 8,000 gallons, and were removed, inerted using dry ice and forced ventilation, cut open using cold cutting methods, and were recycled through OmniSource Metal Recyclers. A total of 20 tons has been recycled and the value of the scrap was credited to the project.

Along with the soil and UST samples, eight residential properties have undergone sub-slab soil gas vapor and indoor air sampling. Several of these residential properties have air contaminants above the limits set by the State of Indiana, and these residents were offered soil vapor extraction system installations in their homes. Soil excavation began immediately following the UST removal and will result in approximately 7,500 tons of soil being shipped to Waste Management in Danville, Indiana to be utilized as an alternative daily cover at that facility. 3,500 gallons of non-haz wastewater was shipped for disposal, and 2,600 gallons of solvent was reclaimed.

START conducted confirmation sampling, and EQ began backfilling the excavation. Pit run sand was utilized at 75% volume of the excavation. The reason for leaving 25% of the excavation open (4' from grade) was to accommodate the fill material that will be generated by the City of Indianapolis when the on-site concrete and masonry remaining after demolition is crushed. Approximately 7,500 gallons of waste solvent was shipped to PSC in Detroit,

Michigan. The 10k frac tanks were decontaminated and demobilized from the site. A local radon abatement contractor completed installation of 11 residential abatement systems located on E. Washington, S. Oxford, and S. Rural Streets. The crew demobilized from the site on 5/27/11.

Four personnel remobilized to the site on 6/9/11 to excavate additional soil based on the analytical results from confirmation sampling. EQ excavated and stockpiled approximately 3,500 yards of placed backfill, and then began further excavation. All excavations were driven by the use of a PPB Rae and 48 hour turn-around sampling time for total VOC's. An additional 4,000 cubic yards of soil were removed and the areas were backfilled. EQ and START also completed the first round of performance air sampling in the residences that received vapor mitigation systems.

Installation of the final vapor abatement system was completed, and the perimeter fence was removed. EQ assisted START with confirmation sampling, and the crew and equipment demobilized from the site. In August, EQ provided a laboratory and sampling media, and assisted with performance sampling events. VAS fans were upgraded to higher air volume units in all homes that received systems, and final performance sampling was conducted in all residences. All onsite work was complete by September 26, 2011.

### 3.0 ERRS RESOURCES, ITEMS, SERVICES & COSTS

Appendix A of this report contains detailed lists of all ERRS labor, equipment, material items, and subcontracted services that were utilized to complete this ERRS delivery order response. Table 1 provides an overall cost summary for all ERRS resources used on this task order.

**TABLE 1. SUMMARY OF ERRS TASK ORDER COSTS**

<b>LABOR:</b>	<b>SUBTOTAL</b>	<b>TOTAL</b>
EQ	\$231,632.52	\$231,632.52
<b>EQUIPMENT:</b>		
EQ	\$63,022.00	\$63,022.00
<b>OTHER FIELD COSTS:</b>		
EQ	\$720,995.19	\$720,995.19
<b>TOTAL COST to DATE:</b> (through 10/30/11)		\$1,015,649.71

Appendix B contains waste transportation and disposal documentation, which identifies the waste types, volumes, and disposal methods used for offsite disposal.

**APPENDIX A**  
**DETAILED RESOURCE LISTS**

93 pages redacted  
non-responsive

## **APPENDIX B**

### **WASTE TRANSPORTATION AND DISPOSAL INFORMATION**

Petroleum Contaminated Soil

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☐ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☒ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☒ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 13,547.33

☐ Cubic Yards (CY)

☐ Lab Packs

☐ Gallons (Gal)

☒ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Petroleum contaminated soil

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

Waste Management - Twin Bridges Landfill

Danville, Indiana

N/A

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 11/18/10

10. Date of Shipment: 5/11,12,17,18,23,24,25/11, 6/16,21,22,23/11

Date of Disposal: 5/11,12,17,18,23,24,25/11, 6/16,21,22,23/11

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☒ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? Cells 10A and 9B

- Type of liner in cell (e. g., PVC, Clay, hypalon) Double composite clay and HDPE with leachate collection system

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 257,399.27

- Cost for transportation: \$ 94,018.47

Flammable Liquid

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

☐ Solvents

☐ Dioxins/Furans

☐ Cyanides

☐ Heavy Metals (Specify)

\_\_\_\_\_  
Acids/Caustics

☐ PCBs

☐ Halogenated Organics

☒ Other RCRA-listed Hazardous Wastes (Specify)

Flammable liquid

☐ Non-Hazardous or De-listed Wastes

Form:

☐ Wastewater

☒ Liquid Waste

☐ Organic Sludge (greater than 1% Total Solids)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

☐ Solid or Solidified Waste

☐ Contaminated Soil and Debris

4. Quantity of Waste: 6,998

☐ Cubic Yards (CY)

☐ Lab Packs

☒ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Flashpoint of liquid below RCRA limit of 141 degrees F

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

PSC

Detroit, Michigan

MID980615298

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 12/4/09

10. Date of Shipment: 5/10/11

Date of Disposal: 5/10/11

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☒ Other Fuels Blend

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 11,336.76

- Cost for transportation: Included in cost for disposal

Non Haz Water

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☐ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☒ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 5,619

☐ Cubic Yards (CY)

☐ Lab Packs

☒ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Rainwater from excavation

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

Clean Waters Limited

Dayton, Ohio

OHD004274031

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 8/10

10. Date of Shipment: 4/13,14/11

Date of Disposal: 4/13,14/11

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☒ Other Filtration

☐ None

12. Final method of treatment or disposal/unit receiving:

☒ Precipitation

☐ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☐ Landfill

☐ Injection

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 918.70

- Cost for transportation: Included in cost of disposal

Used Oil

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☐ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☒ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 2,536

☐ Cubic Yards (CY)

☐ Lab Packs

☒ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Used oil for recycle

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

Clean Waters Ltd

Dayton, Ohio

OHD004274031

8. Receiving Region: Y

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 8/10

10. Date of Shipment: 5/2/11

Date of Disposal: 5/2/11

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☒ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities: ~

- Cost based on treatment/disposal only: \$ 524.89

- Cost for transportation: \$ 1,225.00

Compressed Gases

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☒ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☒ Other RCRA-listed Hazardous Wastes (Specify)

Flammable gasses

☐ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 275 lbs

☐ Cubic Yards (CY)

☐ Lab Packs

☐ Gallons (Gal)

☒ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

LP gas, Acetylene, Aerosols, Nitrogen and tetrafluoroethane compressed gas cylinders

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/15/10

Date of Disposal: 10/15/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☒ Other Off gas

☐ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☒ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☒ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 1,782.72

- Cost for transportation: \$ 171.08

Non Regulated Solid

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☐ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☒ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☒ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 7

☐ Cubic Yards (CY)

☐ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☒ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Empty Drums, concrete, grease

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☒ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☐ Other

☐ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☒ Landfill

☐ Injection

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? See Note

- Type of liner in cell (e. g., PVC, Clay, hypalon) See Note

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 215.00

- Cost for transportation: \$ 92.12

Ownership of this waste was taken by EQ Detroit when it was accepted at their facility. EQ solidified the waste and sent it offsite to a Subtitle D landfill for disposal.

Flammable Liquids

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☐ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☒ Other RCRA-listed Hazardous Wastes (Specify)

Flammable

☐ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 19

☐ Cubic Yards (CY)

☐ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☒ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Benzene, Ethylbenzene and vinyl chloride lab pack

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: Y

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☒ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 5,035.00

- Cost for transportation: \$ 250.04

Universal Waste

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☐ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_  
Acids/Caustics

☒ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☒ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 5

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Universal waste, lamps and cadmium batteries

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☒ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 348.24

- Cost for transportation: \$ 65.80

Epoxy Resin

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☐ Removal

☐ Remedial

☐ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☐ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☒ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

Lead

☒ Solid or Solidified Waste

Acids/Caustics

☐ Contaminated Soil and Debris

☐ PCBs

☐ Halogenated Organics

☒ Other RCRA-listed Hazardous Wastes (Specify)

Tetrachloroethylene

☐ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 1

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

lead and tetrachloroethylene in resin at levels exceeding RCRA limits

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: Y

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☒ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☐ Other

☐ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☒ Landfill

☐ Injection

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? See Note

- Type of liner in cell (e. g., PVC, Clay, hypalon) See Note

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 137.50

- Cost for transportation: \$ 13.16

Ownership of this waste was taken by EQ Detroit when it was accepted at their facility. EQ solidified the waste and sent it offsite to a Subtitle D landfill for disposal.

Toxic Liquids

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

\_\_\_\_\_

☐ PCBs

☐ Solid or Solidified Waste

☐ Halogenated Organics

☐ Contaminated Soil and Debris

☒ Other RCRA-listed Hazardous Wastes (Specify)

Toxic

☐ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 1

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Toxic liquid lab pack

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: Y

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☒ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 135.00

- Cost for transportation: \$ 13.16

Paint Related Material

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

☐ Solvents

☐ Dioxins/Furans

☐ Cyanides

☐ Heavy Metals (Specify)

\_\_\_\_\_  
Acids/Caustics

☐ PCBs

☐ Halogenated Organics

☒ Other RCRA-listed Hazardous Wastes (Specify)

Flammable

☐ Non-Hazardous or De-listed Wastes

Form:

☐ Wastewater

☒ Liquid Waste

☐ Organic Sludge (greater than 1% Total Solids)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

☐ Solid or Solidified Waste

☐ Contaminated Soil and Debris

4. Quantity of Waste: 1

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

Lab pack of flammable oil based paint cans

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☐ Landfill

☐ Injection

☒ Other Fuels Blend

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 750.00

- Cost for transportation: \$ 13.16

Acid Liquid

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

Form:

☐ Solvents

☐ Wastewater

☐ Dioxins/Furans

☒ Liquid Waste

☐ Cyanides

☐ Organic Sludge (greater than 1% Total Solids)

☐ Heavy Metals (Specify)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

☒ Acids/Caustics

☐ Solid or Solidified Waste

☐ PCBs

☐ Contaminated Soil and Debris

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

☐ Non-Hazardous or De-listed Wastes

4. Quantity of Waste: 1

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

pH less than 2 standard units

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

**8. Receiving Region:**

**9. Receiving Region Offsite Contact (RROC):**

Name: William Damico

Date: 9/4/09

**10. Date of Shipment: 10/22/10**

Date of Disposal: 10/22/10

**11. Pre-treatment at site before final treatment or disposal:**

- |   |   |
|---|---|
| <input type="checkbox"/> Precipitation  | <input type="checkbox"/> Neutralization |
| <input type="checkbox"/> Solidification | <input type="checkbox"/> Fixation       |
| <input type="checkbox"/> Stabilization  | <input type="checkbox"/> Other          |
|   | <input type="checkbox"/> None           |

**12. Final method of treatment or disposal/unit receiving:**

- |  |   |
|--|---|
| <input type="checkbox"/> Precipitation           | <input type="checkbox"/> Neutralization |
| <input checked="" type="checkbox"/> Incineration | <input type="checkbox"/> Landfill       |
| <input type="checkbox"/> Land Treatment          | <input type="checkbox"/> Injection      |
| <input type="checkbox"/> Recovery/Re-Use         | <input type="checkbox"/> Other          |

**13. If waste was landfilled:**

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

**14. Cost of activities:**

- Cost based on treatment/disposal only: \$ 72.00

- Cost for transportation: \$ 13.16

Caustic Liquid

1. Superfund Site Name: Crown Laundry

CERCLIS # INR000128884

State: Indiana

2. Type of Action

☒ Removal

☐ Remedial

☒ Fund Financed

☐ Fund Financed

☐ PRP Financed

☐ PRP Financed

3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:

Type

☐ Solvents

☐ Dioxins/Furans

☐ Cyanides

☐ Heavy Metals (Specify)

\_\_\_\_\_

☒ Acids/Caustics

☐ PCBs

☐ Halogenated Organics

☐ Other RCRA-listed Hazardous Wastes (Specify)

\_\_\_\_\_

☐ Non-Hazardous or De-listed Wastes

Form:

☐ Wastewater

☒ Liquid Waste

☐ Organic Sludge (greater than 1% Total Solids)

☐ Inorganic Sludge (less than 1% Total Organic Carbon)

☐ Solid or Solidified Waste

☐ Contaminated Soil and Debris

4. Quantity of Waste: 1

☐ Cubic Yards (CY)

☒ Lab Packs

☐ Gallons (Gal)

☐ Tons/Lbs

☐ Drums

5. Range, average, and/or representative concentration of contaminants of concern:

pH greater than 12 standard units

\_\_\_\_\_

6. Pre-treatment of waste before transportation:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Detroit

Detroit, Michigan

MID980991566

8. Receiving Region: V

9. Receiving Region Offsite Contact (RROC):

Name: William Damico

Date: 9/4/09

10. Date of Shipment: 10/22/10

Date of Disposal: 10/22/10

11. Pre-treatment at site before final treatment or disposal:

☐ Precipitation

☐ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☒ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☐ Landfill

☐ Injection

☐ Other

13. If waste was landfilled:

- What disposal cell number or location? N/A

- Type of liner in cell (e. g., PVC, Clay, hypalon) N/A

14. Cost of activities:

- Cost based on treatment/disposal only: \$ 72.00

- Cost for transportation: \$ 13.16